

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Canceled)

2. (Currently Amended) The articulated manipulator according to claim-13, wherein the specific link is in a middle part of the series arrangement of the links.

3. (Currently Amended) ~~The~~ An articulated manipulator ~~according to claim 1~~ comprising:

a plurality of links arranged in series, wherein at least two links are adjacent links, and at least one link is a specific link; and

joints pivotally connecting the adjacent links;

wherein the joints includes coaxial joints each connecting the two adjacent links so that the two adjacent links are able to turn about a rotation axis coaxial with the axes of the two adjacent links, and diagonal joints each connecting the two adjacent links so that the two adjacent links are able to turn about an inclined rotation axis inclined at an angle of 45° to the axes of the two adjacent links,

the at least one specific link among those links has opposite ends connected by the diagonal joints to the adjacent links, and two rotation axes about which the adjacent links are turned, respectively, relative to the specific link are perpendicular to each other,

wherein the links are first to sixth links,

the first link is connected to a base for rotation about a rotation axis aligned with the axis of the first link,

the first and the second link are connected by the diagonal joint,

_____ the second and the third link are connected by the diagonal joint so as to be turnable about a rotation axis parallel to the rotation axis about which the first and the second link are turned,

_____ the third and the fourth link are connected by the diagonal joint so as to be turnable about a rotation axis perpendicular to the rotation axes about which the second and the third link are turned,

_____ the fourth and the fifth link are connected by the coaxial joint, and

_____ the fifth and the sixth link are connected by the diagonal joint.

4. (Currently Amended) ~~The~~ An articulated manipulator ~~according to claim~~
~~comprising:~~

_____ a plurality of links arranged in series, wherein at least two links are adjacent links, and at least one link is a specific link; and

_____ joints pivotally connecting the adjacent links;

_____ wherein the joints includes coaxial joints each connecting the two adjacent links so that the two adjacent links are able to turn about a rotation axis coaxial with the axes of the two adjacent links, and diagonal joints each connecting the two adjacent links so that the two adjacent links are able to turn about an inclined rotation axis inclined at an angle of 45° to the axes of the two adjacent links,

_____ the at least one specific link among those links has opposite ends connected by the diagonal joints to the adjacent links, and two rotation axes about which the adjacent links are turned, respectively, relative to the specific link are perpendicular to each other,

_____ wherein the links are first to sixth links,

_____ the first link is connected to a base for rotation about a rotation axis aligned with the axis of the first link,

_____ the first and the second link are connected by the diagonal joint,

_____ the second and the third link are connected by the diagonal joint,
_____ the third and the fourth link are connected by the diagonal joint so as to be turnable about a rotation axis perpendicular to a rotation axis about which the second and the third link are turned,
_____ the fourth and the fifth link are connected by the coaxial joint,
_____ the fifth and the sixth link are connected by the diagonal joint, and
_____ the second link consists of ~~two~~ two sublinks connected for rotation about their axes.

5. (Previously Presented) The articulated manipulator according to claim 3, wherein the sixth link is provided with a twist unit for connecting a predetermined terminal device to the sixth link so as to be rotatable about a rotation axis aligned with the axis of the sixth link.

6. (Previously Presented) The articulated manipulator according to claim 4, wherein the sixth link is provided with a twist unit for connecting a predetermined terminal device to the sixth link so as to be rotatable about a rotation axis aligned with the axis of the sixth link.

7. (New) The articulated manipulator according to claim 4, wherein the specific link is in a middle part of the series arrangement of the links.